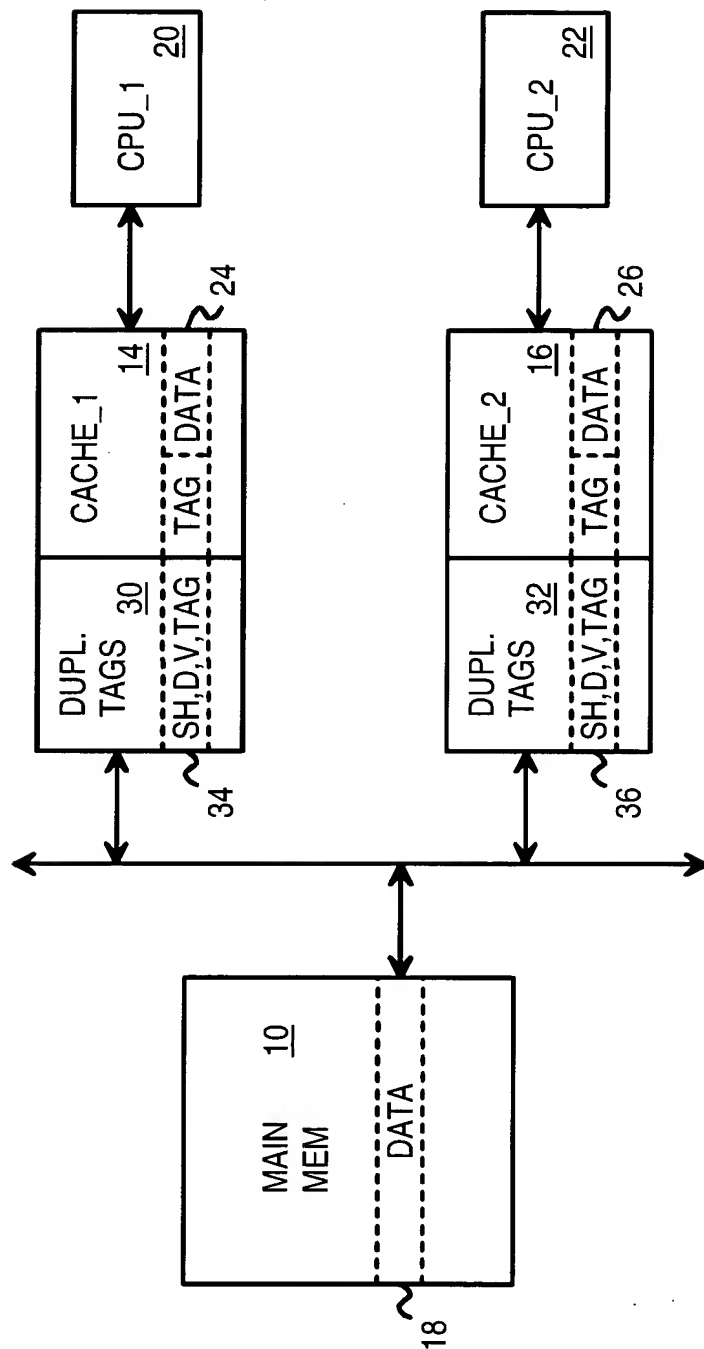


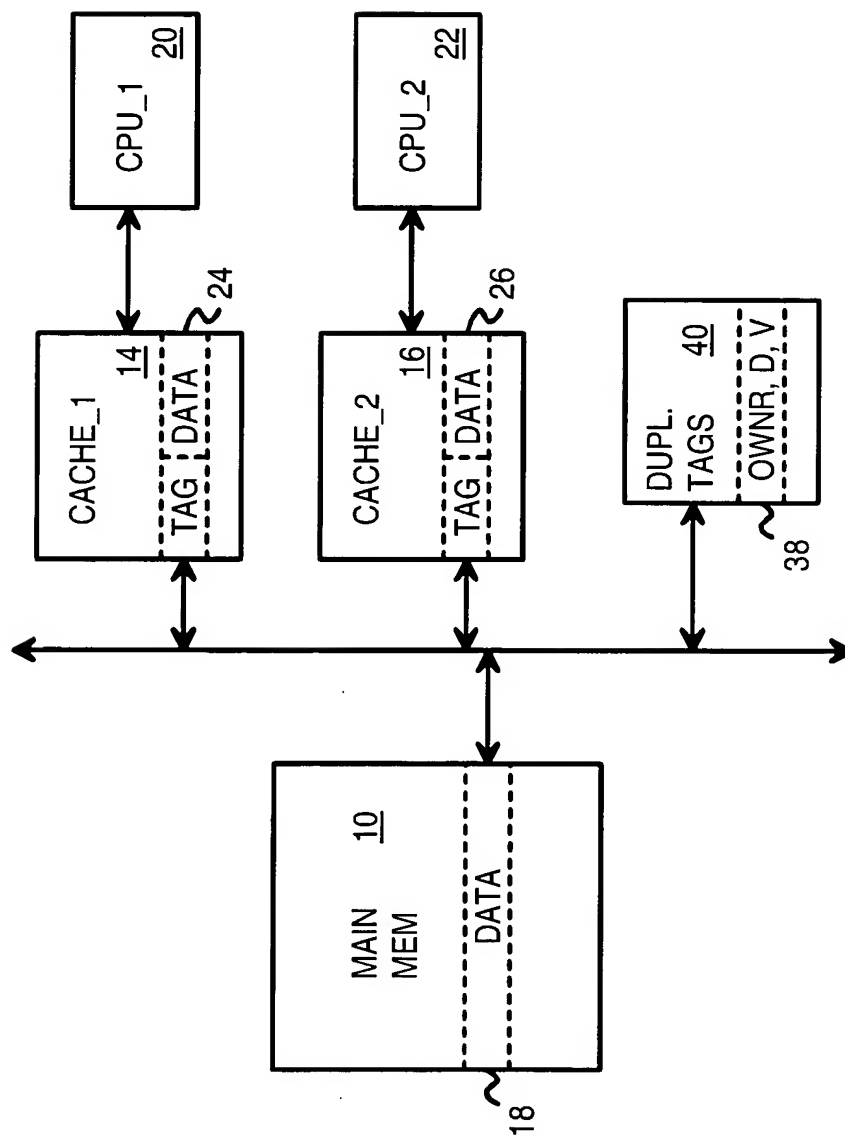
PRIOR ART

FIG. 1



PRIOR ART

FIG. 2



PRIOR ART

FIG. 3

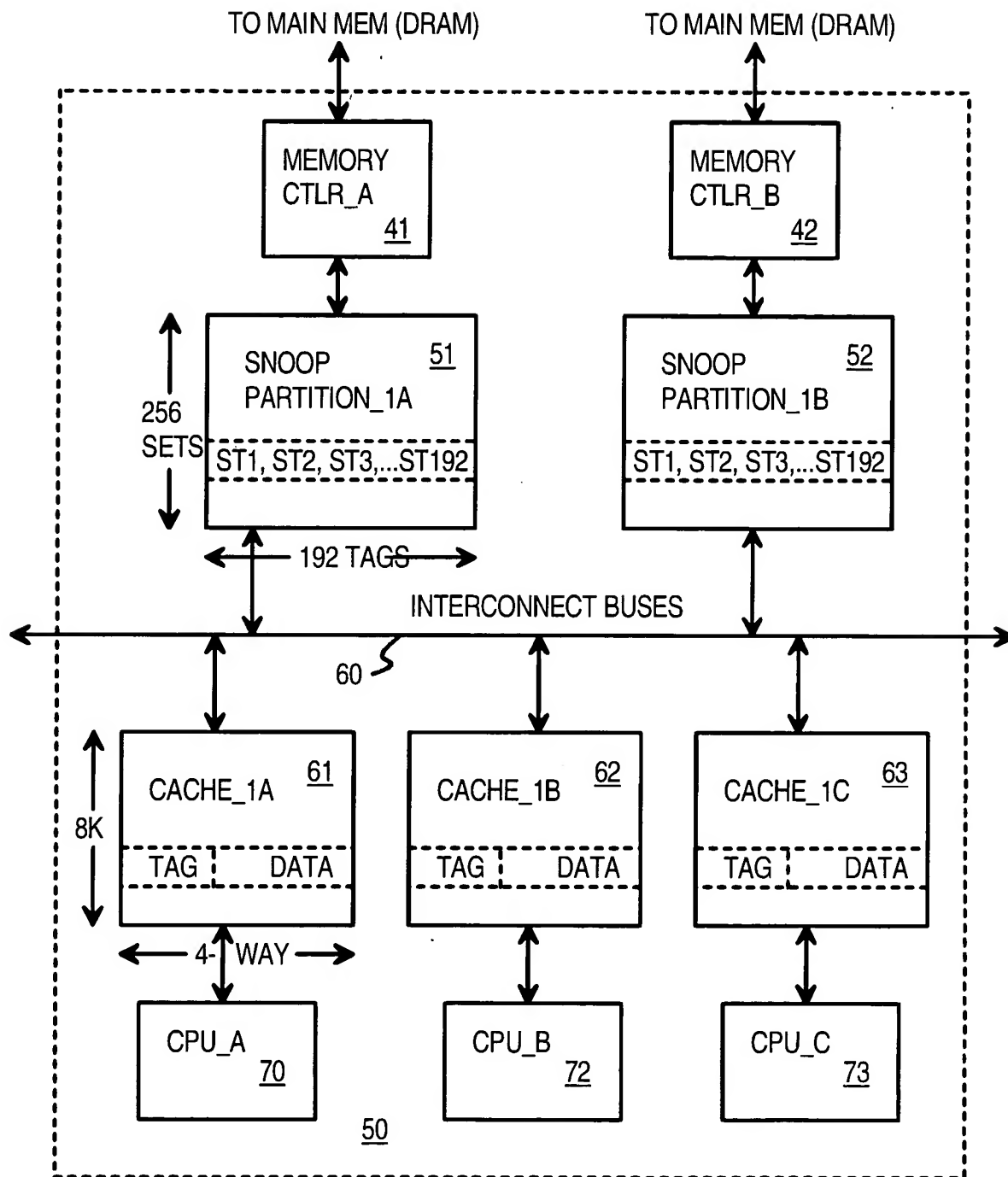


FIG. 4

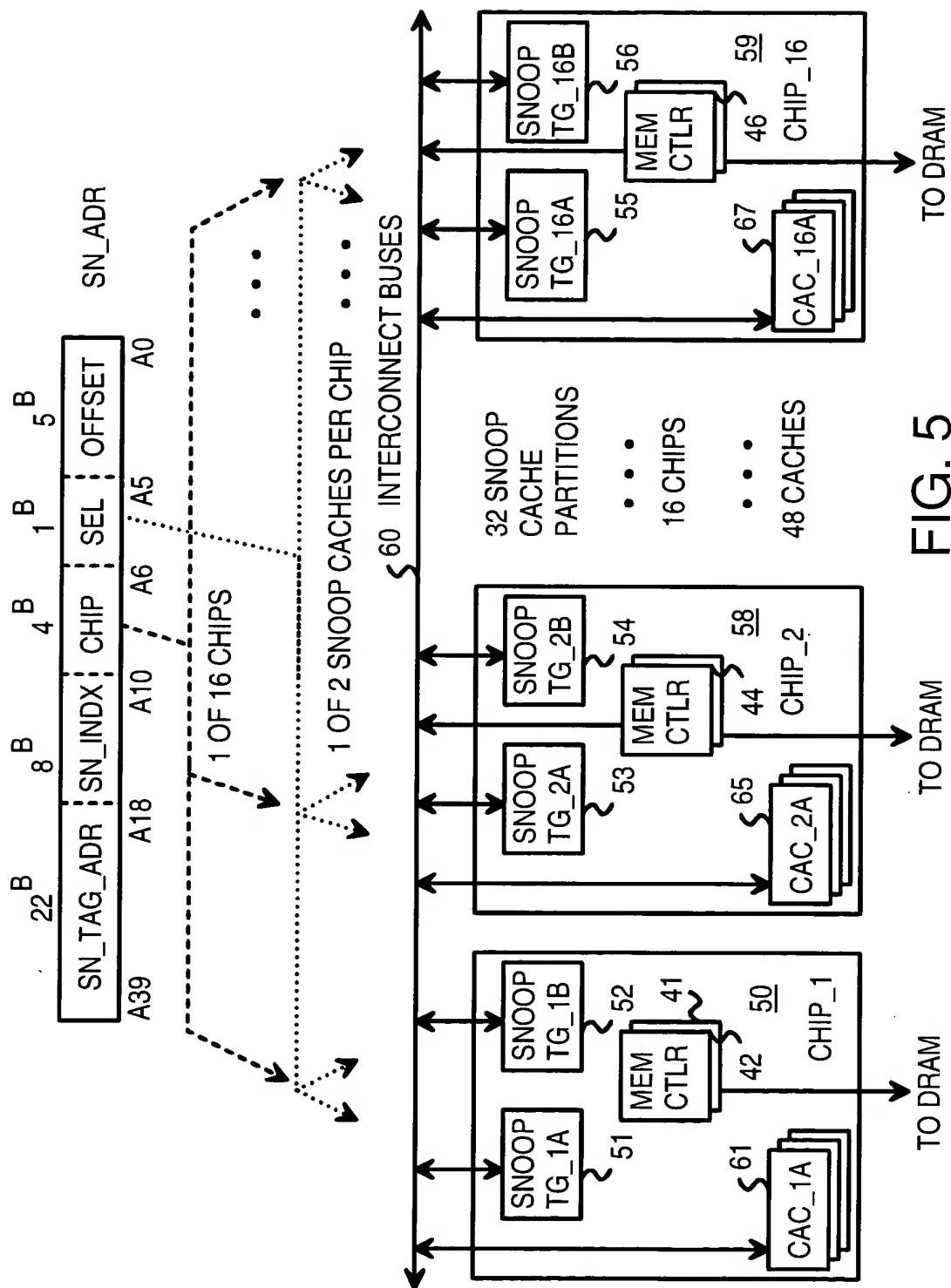


FIG. 5

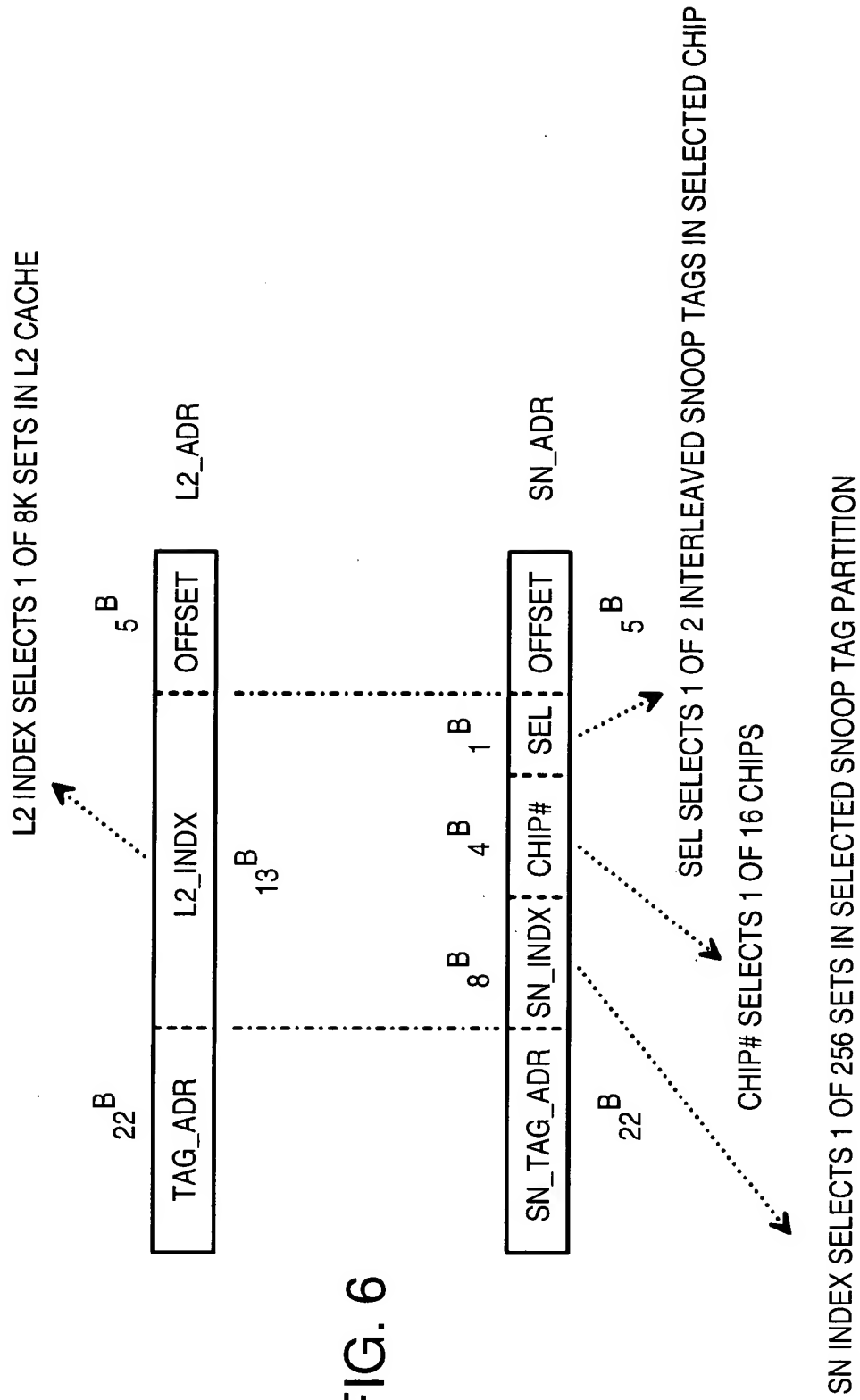
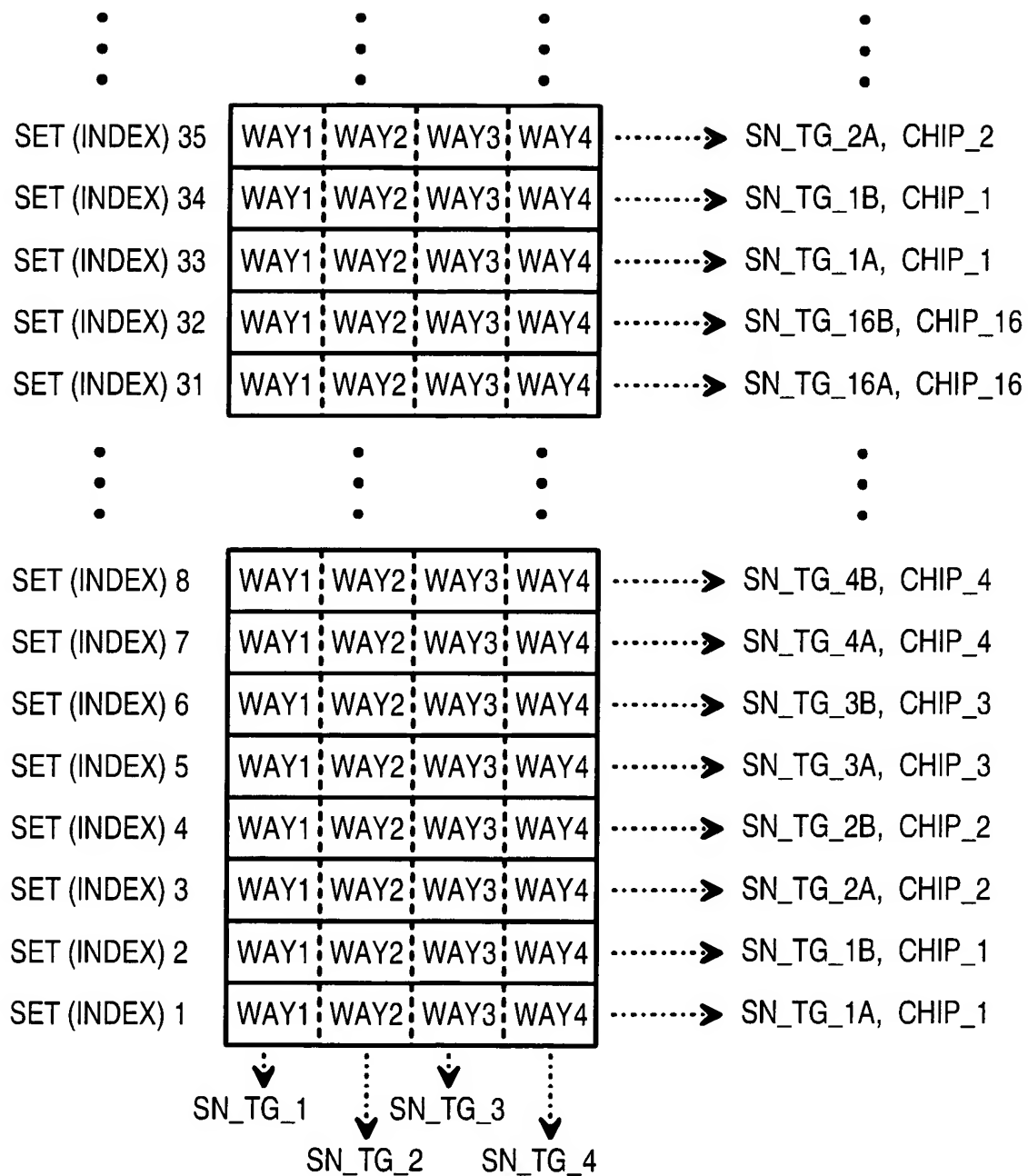


FIG. 6



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CAC 1A

FIG. 7

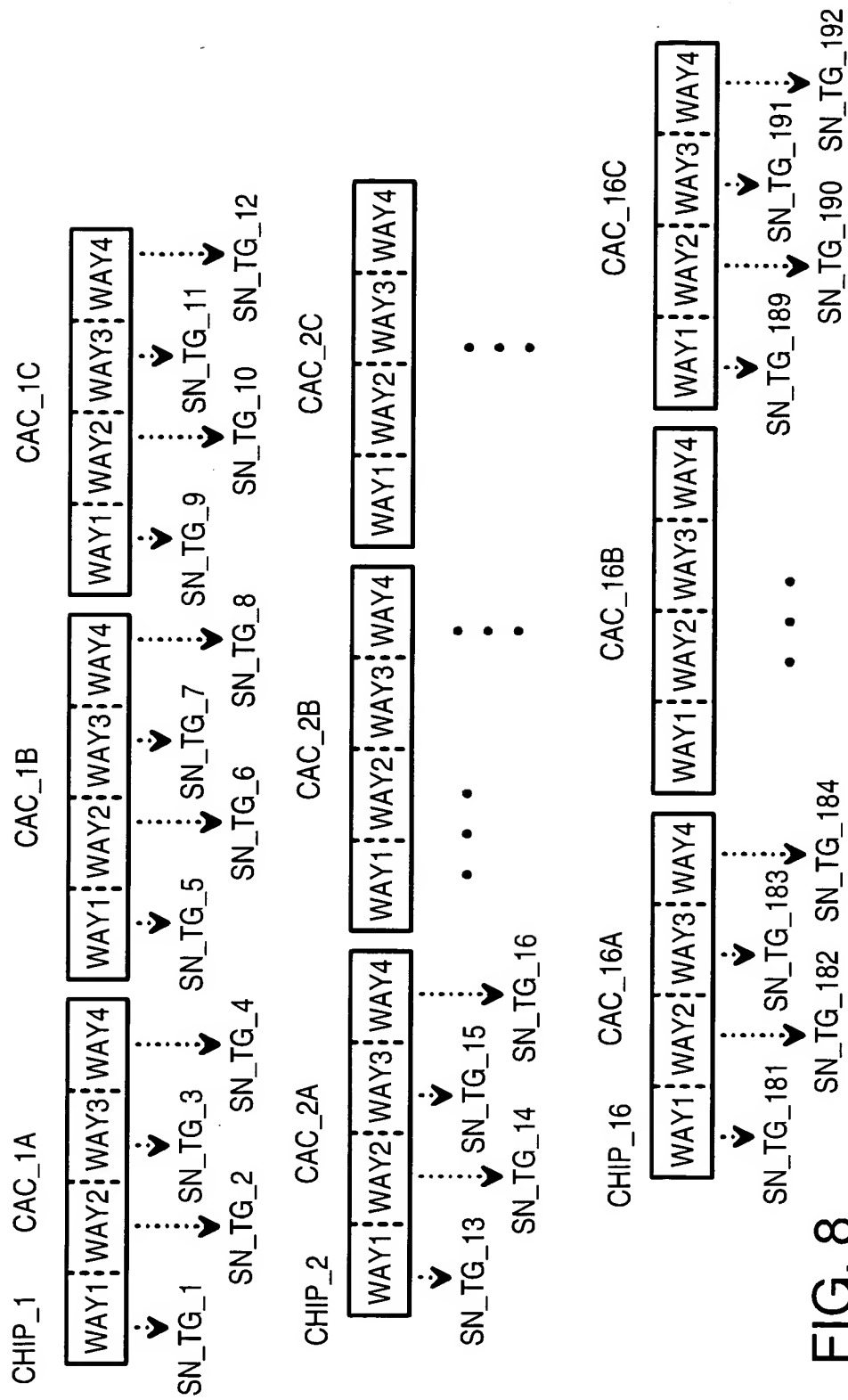


FIG. 8

TOTAL L2 ENTRIES PER SET = 16 CHIPS X 3 L2 CACHES/CHIP X 4 WAY = 192 ENTRIES/SET
 TOTAL SN ENTRIES PER SN CACHE INDEX = 192 ENTRIES

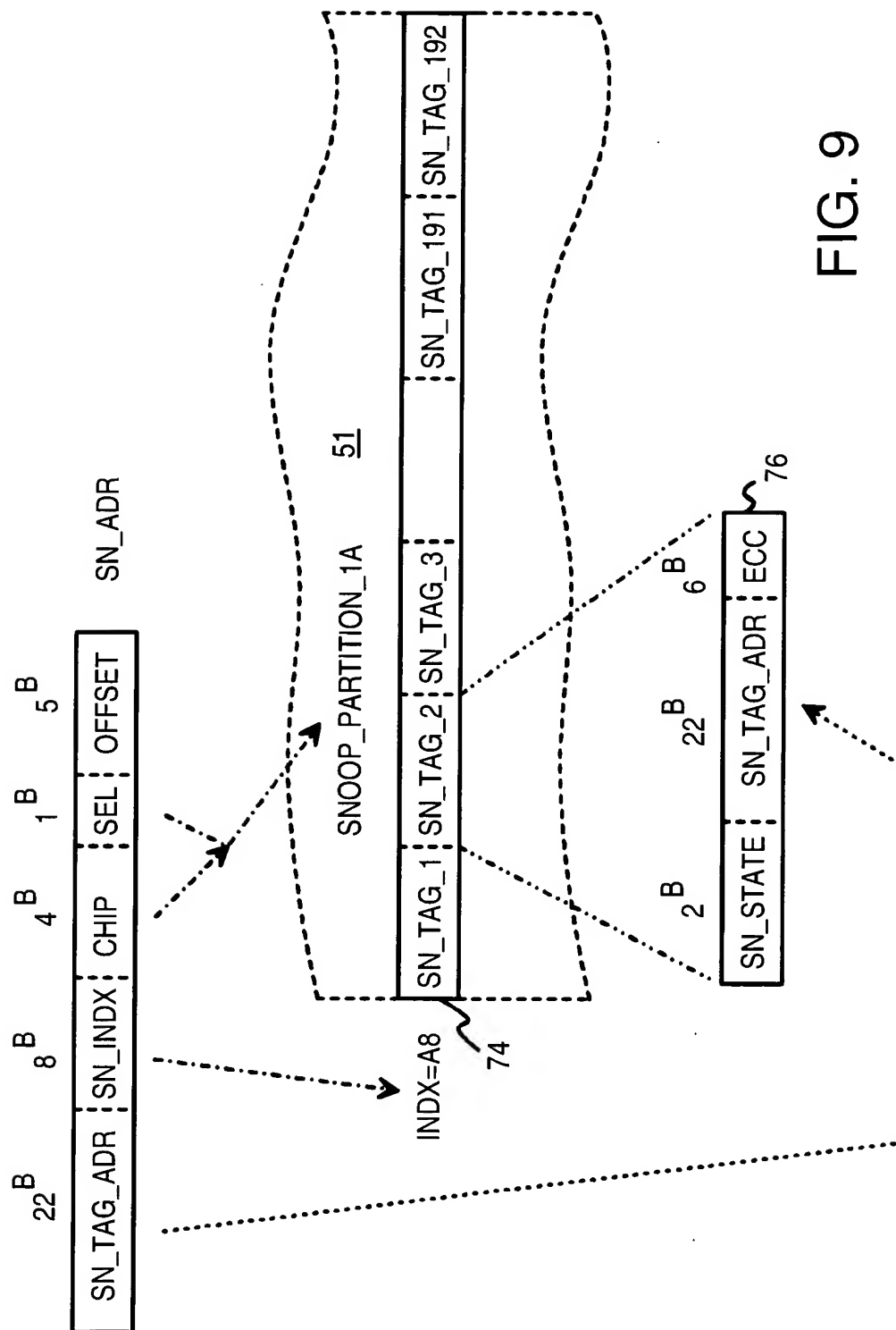


FIG. 9

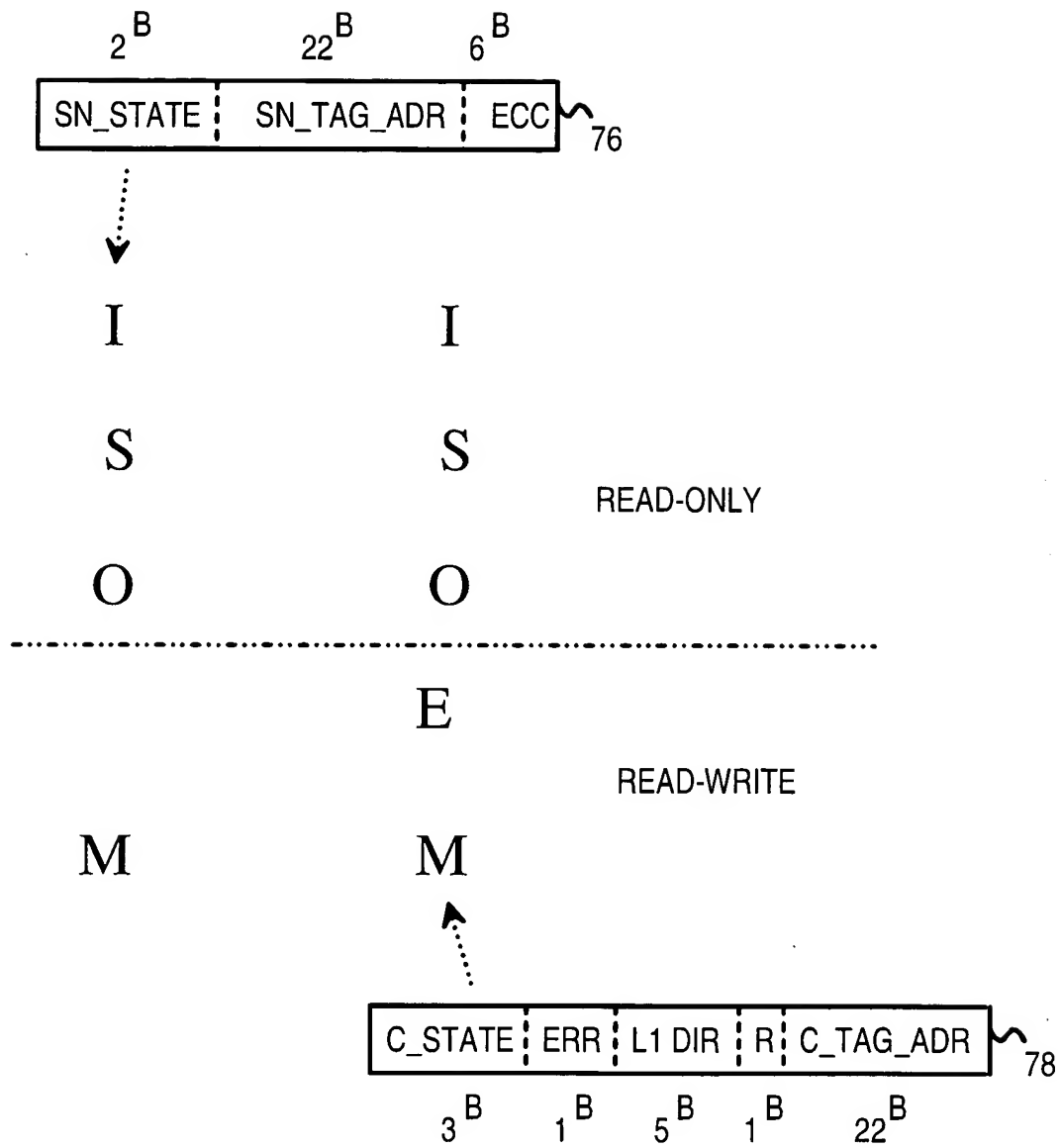


FIG. 10

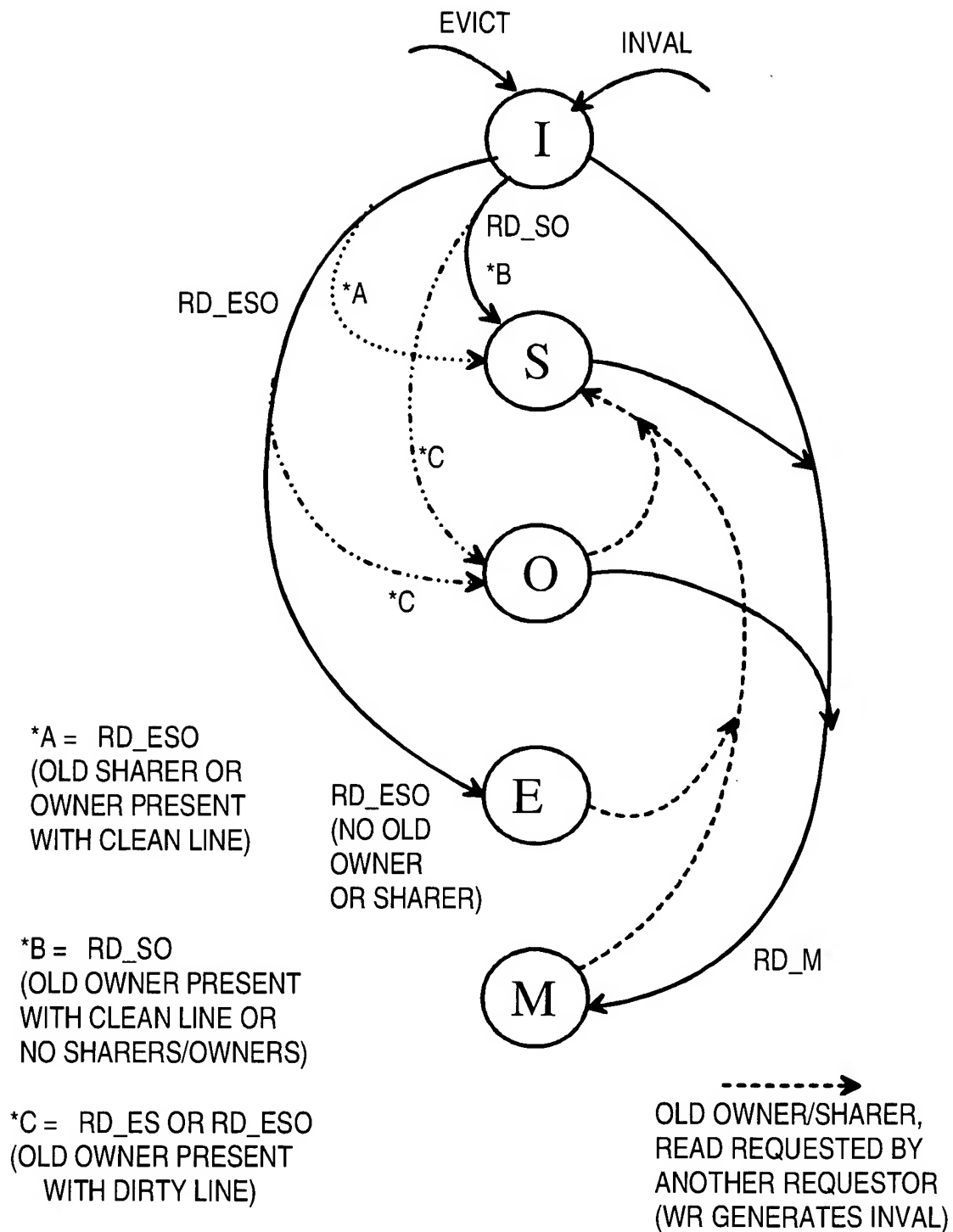


FIG. 11

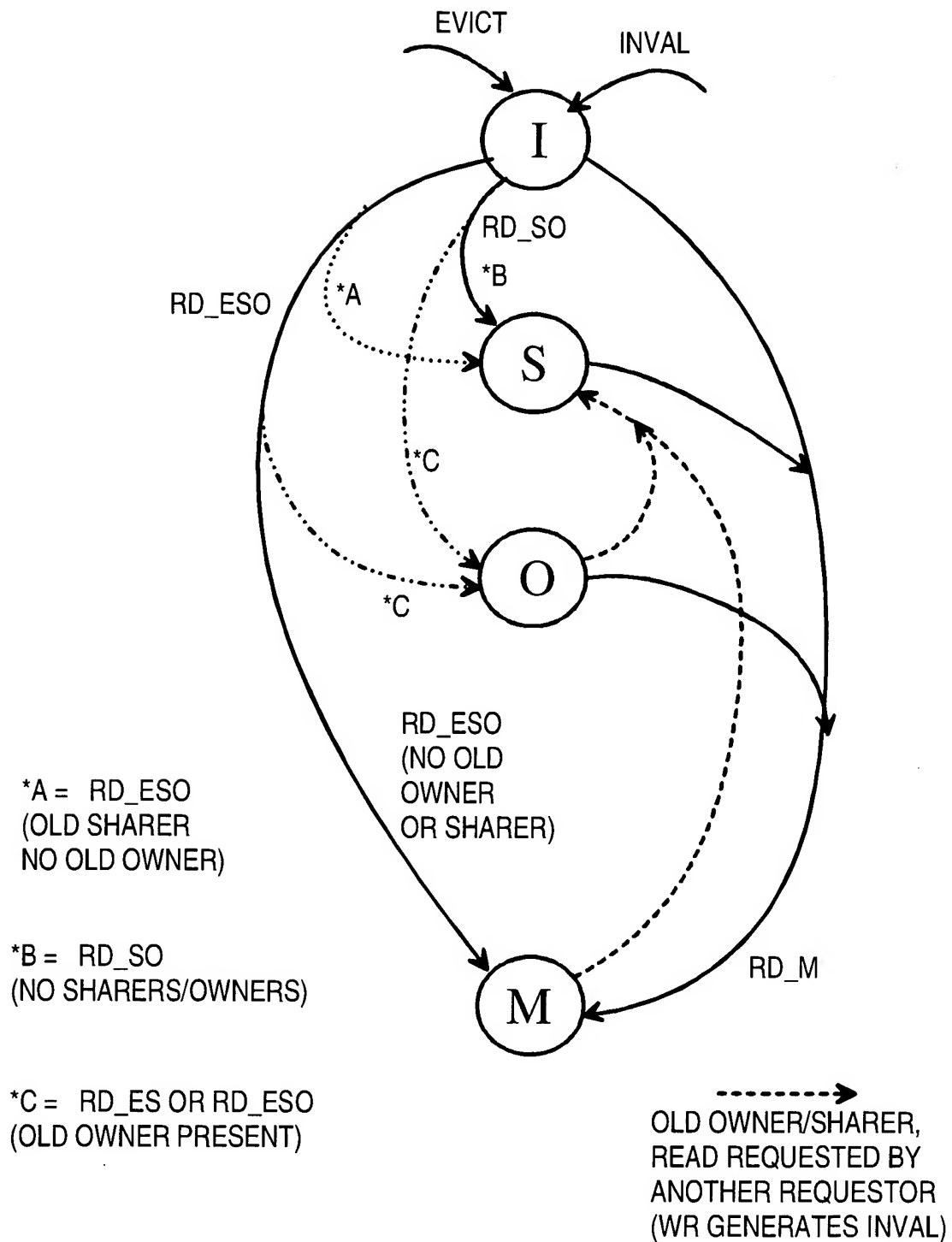


FIG. 12

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